

# Course

## ESL - Design of Circuit Board Layout

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Version: 0 | Last Change: - | Draft: 0 | Status: Entwurf

### ^ General information

<b>Long name</b>	Design of Circuit Board Layout
<b>Approving CModule</b>	<a href="#">ESL_BaET</a>
<b>Responsible</b>	Studiengangsleiter(in) Bachelor Elektrotechnik
<b>Level</b>	Bachelor
<b>Semester in the year</b>	summer semester
<b>Duration</b>	Semester
<b>Hours in self-study</b>	null
<b>ECTS</b>	5
<b>Professors</b>	NN Lehrbeauftragter
<b>Requirements</b>	Elektronik 1 Grundgebiete der Elektrotechnik 1,2 Physik1,2 Elektronik 2
<b>Language</b>	German
<b>Separate final exam</b>	Yes

### Final exam

#### Details

#### Minimum standard

null

## ^ Lecture / Exercises

### Learning goals

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#### Knowledge

creation of layouts with Ultiboard  
transfer of the circuits from Multisim to Ultiboard  
choosing of the device body  
choosing of the circuit board layer  
positioning of the devices  
transfer of the conducting path  
by hand  
automatically

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#### Skills

design of layouts by yourself

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komplexe Aufgaben im Team bewältigen  
Übungen  
Absprachen und Termine einhalten

### Expenditure classroom teaching

Type	Attendance (h/Wk.)
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### Separate exam

#### Exam Type

solving exercises within limited functional / methodical scope

#### Details

unbenotet

#### Minimum standard

null

## ^ Practical training

### Learning goals

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#### Knowledge

development of layouts

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operating with Ultiboard

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#### Skills

realization of layouts

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usage of the software Ultiboard

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komplexe Aufgaben im Team bewältigen

build-up simple layouts

Absprachen und Termine einhalten

Reviews planen und durchführen

### Expenditure classroom teaching

**Type**

**Attendance (h/Wk.)**

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### Separate exam

#### Exam Type

solving exercises within limited functional / methodical scope

#### Details

unbenotet

#### Minimum standard

null

## ^ Project

### Learning goals

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Knowledge

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Skills

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## Expenditure classroom teaching

Type	Attendance (h/Wk.)
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## Separate exam

### Exam Type

solving exercises within limited functional / methodical scope

### Details

null

### Minimum standard

null